Datasheet for ABIN930401

LH ELISA Kit

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Overview

Quantity:	1 kit
Target:	LH
Reactivity:	Hormone
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	ELISA kit for the detection of LH in the research laboratory Alternative Names: LH ELISA kit, Luteinizing Hormone ELISA kit

Target Details

Target:	LH
Target Type:	Hormone
Background:	Luteinizing hormone (LH) is produced in both men and women from the anterior pituitary gland in response to luteinizing hormone-releasing hormone (LHRH or GnRH), that is released by the hypothalamus. LH, also called interstitial cell stimulating hormone (ICSH) in men, is a glycoprotein with a molecular weight of approximately 30,000 Da. It is composed of two noncovalently associated dissimilar amino acid chains, alpha and beta. The alpha chain is similar to that found in human thyroid stimulating hormone (TSH), follicle stimulating hormone (FSH), and human chorionic gonadotropin (hCG). LH stimulates ovulation and ovarian steroid

Target Details

	production in the female. In the male, LH controls Leydig cell secretion of testosterone. LH is elevated in the Luteal phase of the menstrual cycle, primary hypogonadism, Gonadotropin secreting pituitary tumors and menopause. LH is deceased in hypothalamic GnRH deficiency, pituitary LH deficiency and ectopic steroid production. Synonyms: LH ELISA kit, Luteinizing Hormone ELISA kit.

Application Details

Application Notes:	Optimal conditions to be determined by end user
Plate:	Pre-coated
Assay Procedure:	The LH ELISA kit is a solid phase direct sandwich method. The samples and diluted antiLHHRP conjugate are added to the wells coated with Mab to LH beta subunit. LH in the patient's serum binds to antiLH MAb on the well and the antiLH second antibody then binds to LH. Unbound protein and HRP conjugate are washed off by wash buffer. Upon theaddition of the substrate, the intensity of color is proportional to the concentration of LH in the samples. A standardcurve is prepared relating color intensity to the concentration of the LH.
Restrictions:	For Research Use only

Handling

Storage:	4 °C
Storage Comment:	Store at 2-8 °C.